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Substitute for form 1449/PTO				Comple	Complete if Known		
INFO	28467	TON F	Necl Ocup	Application Number	10/591,962 (Natl. Phase of PCT/GB2005/000907)		
			DISCLOSUR	T Intl Filing Date	March 9, 2005		
STAT				First Named Inventor	PATRICK, Guy Michael		
	(Use as	many she	ets as necessary)	Art Unit	To Be Assigned		
				Examiner Name	To Be Assigned		
Sheet	1	of	3	Attorney Docket Number	2451.0130000/BJD/GER		

			U.S. PATENT DO	CUMENTS		
Examiner Cite		Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines,	
Initials No.1	No.1	Number-Kind Code ^{2 (If Known)}	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	
	US1	2,934,556	04/26/1960	Hoffmann et al.		
	US2	4,499,082	02/12/1985	Shenvi et al.		
	US3	4,701,545	10/20/1987	Matteson et al.		
	US4	4,927,809	05/22/1990	Stüber		
	US5	4,935,493	06/19/1990	Bachovchin et al.		
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	US7	5,169,841	12/08/1992	Kleeman et al.		
	US8	5,187,157	02/16/1993	Kettner et al.		
	US9	5,444,049	08/22/1995	de Nanteuil et al.		
	US10	5,462,964	10/31/1995	Fevig et al.		
	US11	5,563,127	10/08/1996	Amparo et al.		
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	US14	5,596,123	01/21/1997	Elgendy et al.		
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	US20	5,814,622	09/29/1998	de Nanteuil et al.		

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Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document					
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)			T ⁶				
	FP1	WO 89/09612 A1	10/19/1989	Corvas, Inc.					
	FP2	EP 0 471 651 A2	02/19/1992	Sandoz Ltd.; Sandoz-Patent-GmbH; Sandoz- Erfindungen Verwaltungsgeselischaf m.b.H.					
	FP3	WO 92/07869 A1	05/14/1992	Thrombosis Res. Institute; Kakkar et al.					
-	FP4	EP 0 599 633 A1	06/01/1994	Thrombosis Research Institute					
	FP5	WO 94/21668 A1	09/29/1994	The Du Point Merck Pharmaceutical Co.					
	FP6	WO 94/21650 A1	09/29/1994	The Du Point Merck Pharmaceutical Co.					
	FP7	WO 94/25049 A1	11/10/1994	The Du Point Merck Pharmaceutical Co.					
-	FP8	WO 95/09858 A1	04/13/1995	The Du Point Merck Pharmaceutical Co.					
	FP9	WO 95/09859 A1	04/13/1995	The Du Point Merck Pharmaceutical Co.					

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Substitute	for form	1449/PT	0	Complete if Known	
NIE OF				Application Number	10/591,962 (Natl. Phase of PCT/GB2005/000907)
			DISCLOSURE	Intl. Filing Date	March 9, 2005
STAT			APPLICANT	First Named Inventor	PATRICK, Guy Michael
	(Use as	many she	eets as necessary)	Art Unit	To Be Assigned
				Examiner Name	To Be Assigned
Sheet	2	of	3	Attorney Docket Number	2451.0130000/BJD/GER

Examiner	Cite	Document Number	Publication Date	Name of Patentee or	Pages, Columns,	Lines,
Initials*	No.1	Number-Kind Code ^{2 (ff Known)}	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Pa or Relevant Figures	
	US20	6,066,730	05/23/2000	Adams et al.		
	US21	6,083,903	07/04/2000	Adams et al.		
	US22	6,114,308	09/05/2000	Claeson et al.		
	US24	6,297,217 B1	10/02/2001	Adams et al.		
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	US26	6,417,174 B1	07/09/2002	Shoichet et al.		
	US27	6,465,433 B1	10/15/2002	Adams et al.		
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	US40	2006/0172978 A1	08/03/2006	Russell et al.		
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			FOREIGN PATENT D			
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	1		T ⁶
	FP10	WO 95/09634 A1	04/13/1995	The Du Point Merck Pharm	aceutical Co.	
	FP11	WO 96/12499 A1	02/05/1996	The Du Point Merck Pharm	aceutical Co.	Ţ.,
	FP12	WO 96/13266 A1	05/09/1996	Proscript, Inc.		
	FP13	WO 96/20689 A2	07/11/1996	The Du Point Merck Pharm	aceutical Co.	
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		WO 98/00443 A1	01/08/1998	Thrombosis Research Instit	ute; Deadman et	
	FP15			al.		↓
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	FP17	WO 99/26652 A1	06/03/1999	Danbiosyst UK Ltd.; Watts	et al.	1

Examiner	Date
Signature	Considered

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Substitute 1	for form	1449/PT)		Complete if Known		
INFOR	N	ION F	DISCLOSU	n E	Application Number	10/591,962 (Natl. Phase of PCT/GB2005/000907)	
					Intl. Filing Date	March 9, 2005	
_			APPLICA	N I	First Named Inventor	PATRICK, Guy Michael	
	(Use as	many she	ets as necessary)		Art Unit	To Be Assigned	
					Examiner Name	To Be Assigned	
Sheet	3	of	3		Attorney Docket Number	2451.0130000/BJD/GER	

			U.S. PATENT DO				
Examiner Initials	Cite No.1	Document Number Number-Kind Code ^{2 (# Known)}	Publication Date MM-DD-YYYY	Name of Patentee or Pages, Column Applicant of Cited Document Where Relevant		assages	
	US42	2006/0229257 A1	10/12/2006	Deadman et al.	or Relevant Figures	Appear	
	L		FOREIGN PATENT				
Examiner Initials*	Cite No.1	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document		T ⁶	
	FP18	WO 00/41715 A1	06/20/2000	Astranzeneca Ab, Frager G.			
	WO 00/35904 A1 06		06/22/2000	06/22/2000 Northwestern Univ., Universita Degli Studi Di Modena E Reggio Emilia; Shoichet <i>et al</i>			
	FP20	WO 00/35905 A1	06/22/2000		Northwestern Univ., Universita Degli Studi Di Modena E Reggio Emilia; Shoichet et al.		
	FP21	WO 01/02424 A2	01/11/2001	The Du Point Merck Pharma		1	
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	FP25	WO 02/059131 A1	08/01/2002	Milennium Pharmac, Inc.; P		1	
	FP26	WO 2004/022070 A1	03/18/2004	Trigen Ltd.		1	
· -	FP27	WO 2004/022071 A1	03/18/2004	Trigen Ltd.		1	
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	FP29	EP 1 466 916 A1	10/13/2004	Trigen Ltd.			
	FP30	EP 1 466 917 A1	10/13/2004	Trigen Ltd.	,		
	FP31	WO 2005/084686 A2	09/15/2005	Trigen Ltd., Combe-Marzell	e et al.		
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Substitute for form 1449/PTO					C	omplete if Known			
INFORMATION DISCLOSURE					Application Number	10/591,962			
INFORMATION DISCLOSURE					Application Number	(Natl. Phase of PCT/GB2005/00090)7)		
					Intl. Filing Date	March 9, 2005			
SIAIE					First Named Inventor	PATRICK, Guy Michael			
	(Use as man	y sneets as	s necessary)		Art Unit	To Be Assigned			
					Examiner Name	To Be Assigned			
Sheet	1	of	8		Attorney Docket Number	2451.0130000/BJD/GER			
			Non P.	ATENT	LITERATURE DOCUME	ENTS			
Examiner	Cite	Include	name of the aut	hor (in (CAPITAL LETTERS), title of	f the article (when appropriate), title of	2		
Initials*	No. ¹	the it	em (book, magaz nui	zine, jou mber(s),	rnal, serial, symposium, catal publisher, city and/or country	og, etc.), date, page(s), volume-issue y where published	T ²		
						Optimisation Procedures for			
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Substitute for form 1449/PTO				C	Complete if Known		
NIE ODI	44 T ION 5			Application Number	10/591,962 (Natl. Phase of PCT/GB2005/000907)		
INFORMATION DISCLOSURE				Intl. Filing Date	March 9, 2005		
-	MENT BY			First Named Inventor	PATRICK, Guy Michael		
	(Use as many s	heets a	s necessary)	Art Unit	To Be Assigned		
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Sheet	2	of	8	Attorney Docket Number	2451.0130000/BJD/GER		

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume number, publisher, city and/or country where published	T ²
	NPL10	Claeson, G., et al., "New Peptide Boronic Acid Inhibitor of Thrombin," Thromb. Haemost. 65:1289, Schattauer (1991)	
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	NPL14	Davies, G., "Changing the Salt, Changing the Drug," <i>Pharmaceut. J.</i> 266:322-323, Wiley (2001)	
	NPL15	Deadman, J., et al., "Structure/Function Aspects of Neutral P1 Residue Peptide Inhibitors of Thrombin," J. Enzym. Inhib. 9:29-41, Harwood Academic Publishers GmbH (1995)	
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INICODA	4 A TION	I DISCLOSURE	Application Number	(Natl. Phase of PCT/GB2005/000907)		
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STATE		BY APPLICANT	First Named Inventor PATRICK, Guy Michael			
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Examiner Initials*	Cite No. ¹	the item (book, magazine, journ		of the article (when appropriate), title of og, etc.), date, page(s), volume number, ere published		
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	Gerrard, D., et al., "Prevention of Thrombosis in a Pig Coronary Model, Comparison of the Efficacy of a Specific Thrombin Inhibitors TRI50b with Aspirin," Thromb. Haemost. 6:1307, Schattauer (1995)					
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	NPL27	Hsiao, G.K., and Hangaue [(Benzyloxycarbonyl)aminyl)propionate: An Orthogo Acid," Synthesis 7:1043-1	no]-3-(4,4,5,5-tetramet onally Protected Boron			
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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Complete if Known Substitute for form 1449/PTO 10/591,962 Application Number (Natl. Phase of PCT/GB2005/000907) INFORMATION DISCLOSURE Intl. Filing Date March 9, 2005 STATEMENT BY APPLICANT PATRICK, Guy Michael First Named Inventor (Use as many sheets as necessary) Art Unit To Be Assigned Examiner Name To Be Assigned 2451.0130000/BJD/GER 4 of 8 Attorney Docket Number Sheet NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of Examiner Cite T^2 No.1 the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume number, Initials* publisher, city and/or country where published Katz, B.A., et al., "Episelection: Novel $K_i \sim \text{Nanomolar Inhibitors of Serine}$ Proteases Selected by Binding or Chemistry on an Enzyme Surface," NPL28 Biochemistry 34:8264-8280, American Chemical Society (1995) Kettner, C.A., and Shenvi, A.B., "Inhibition of the Serine Proteases Leukocyte Elastase, Panacreatic Elastase, Cathepsin G, and Chymotrypsin by Peptide NPL29 Boronic Acids," J. Biol. Chem. 259:15106-15114, The American Society of Biological Chemists, Inc. (1984) Kettner, C., et al., "The Selective Inhibition of Thrombin by Peptides of Boroarginine," J. Biol. Chem. 265:18289-18297, The American Society for NPL30 Biochemistry and Molecular Biology, Inc. (1990) Kimmel, S.E., et al., "Mortality and Adverse Events After Protamine Administration in Patients Undergoing Cardiopulmonary Bypass," Anesth. Analg. NPL31 94:1402-1408, The International Anesthesia Research Society (2002) Kimmel, S.E., et al., "Adverse Events after Protamine Administration in Patients Undergoing Cardiopulmonary Bypass: Risks and Predictors of Under-Reporting," NPL32 J. Clin. Epidemiol. 51:1-10, Elsevier Science Inc. (1998) M.F. Lappert, "Organic Compounds of Boron," Chem. Rev. 56:959-1064, American Chemical Society (1956) NPL33 Martinchonok, V., and Jones, B.J., "Probing the Specificity of the Serine Proteases Subtilisin Carlsberg and α-Chymotrypsin with Enantiomeric 1-Acetamido Boronic Acids. An Unexpected Reversal of the Normal "L"-NPL34 Stereoselectivity Preference," J. Am. Chem. Soc. 118:950-958, American Chemical Society (1996) Martichonok, V., and Jones, J.B., "Cysteine Proteases such as Papain are not Inhibited by Substrate Analogue Peptidyl Boronic Acids," Bioorg. Med. Chem. NPL35 5:679-684, Elsevier Science Ltd. (1997)

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	(Use as mar	ny sheets as necessary)	Art Unit	To	Be Assigned	
			Examiner Name		Be Assigned	
Sheet	5	of 8	Attorney Docket Nu	ımber 245	51.0130000/BJD/GER	
		NON PATENT	LITERATURE DO	CUMENTS	3	
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	NPL36	Matteson D.S. "g-Halo Roronic Esters: Intermediates for Stereod				
	NPL37	Matteson, D.S., and Man, HW., "Hydrolysis of Substituted 1,3,2-Dioxaborolanes and an Asymmetric Synthesis of a Differentially Protected syn,syn-3-Methyl-2,4-hexanediol," <i>J. Org. Chem.</i> 61:6047-6051, American Chemical Society (1996)				
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	NPL40	Metternich, R., et al., "In Containing Thrombin Inh. 97:387, Springer Verlag (ibitors," <i>Naunyn S</i>			
	NPL41	Philipp, M., et al., "ph-De	pendent Binding (tate Analogs,"in T	he Design	of Synthetic Inhibitors of	
	NPL42	Rewinkel, J.B.M., and Ad	nhibitor," Curr. Pl		Progress Towards the Ideal sign 5:1043-1075, Benthum	
NPL43 Russell, V.P., et al., "A Specific Neutra Inhibitor TRI 50," Blood 102:814a, Am						
	NPL44	Sanderson, P.E.J., and Na Med. Chem. 5:299-304, B				
	NPL45	Satioh, H., and Aungst, B.J., "Improvement of the Intestinal Absorption of a Peptidomimetic, Boronic Acid Thrombin Inhibitor Possibly Utilizing the Oligopeptide Transporter," <i>Pharma. Res.</i> 16:1786-1789, Plenum Publishing Corporation (1999)				
Examiner Signature			Date Cons	idered		

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Substitute for form 1449/PTO	Complete if Known		
	Application Number	10/591,962 (Natl. Phase of PCT/GB2005/000907)	
INFORMATION DISCLOSURE	Intl. Filing Date	March 9, 2005	
STATEMENT BY APPLICANT	First Named Inventor	PATRICK, Guy Michael	
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	Examiner Name	To Be Assigned	
Sheet 6 of 8	Attorney Docket Number	2451.0130000/BJD/GER	

-		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume number, publisher, city and/or country where published	T ²
	NPL46	Skordalakes, E., et al., "Bifunctional Peptide Boronate Inhibitors of Thrombin: Crystallographic Analysis of Inhibition Enhanced by Linkage to an Exosite 1 Binding Peptide," <i>Biochem.</i> 37:14420-14427, American Chemical Society (1998)	
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	NPL50	Spencer, J., et al., "Synthesis of ortho-modified mercapto- and piperazino-methyl-phenylboronic acid derivatives," Tetrahedron 58:1551-1556, Elsevier Science Ltd. (2002)	
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	NPL53	Tapparelli, C., et al., "Synthetic low-molecular weight thrombin inhibitors: molecular design and pharmacological profile," <i>Trends Pharmacol. Sci.</i> 14:366-375, Elsevier Science Publishers Ltd. (1993)	
	NPL54	Trigen Limited, "Looking for a career in Biotechnology," poster exhibited at the XVIITH International Symposium on Medicinal Chemistry, Barcelona, Spain, September 5, 2002	

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	NPL64	Office Action mailed February 5, 2007 in United States Patent Application No. 10/659,178, Madge, D.J., et al., filed September 9, 2003	
	NPL65	Office Action mailed May 23, 2007 in United States Patent Application No. 10/659,178, Madge, D.J., et al., filed September 9, 2003	
	NPL66	Office Action mailed July 25, 2006 in United States Patent Application No. 10/658,971, Madge, D.J., et al., filed September 9, 2003	
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	NPL68	Advisory Action mailed May 10, 2007 in United States Patent Application No. 10/658,971, Madge, D.J., et al., filed September 9, 2003	
	NPL69	Office Action mailed November 29, 2007 in United States Patent Application No. 11/077,620, Boucher, O.V.A. <i>et al.</i> , filed March 9, 2005	
	NPL70	Office Action mailed November 9, 2007 in United States Patent Application No. 11/077,620, Boucher, O.V.A. et al., filed March 9, 2005	
	NPL71	Office Action mailed November 9, 2007 in United States Patent Application No. 11/078,097, Combe-Marzelle, S.M. <i>et al.</i> , filed March 9, 2005	
728880v1	NPL72	Office Action mailed September 19, 2007 in United States Patent Application No. 10/937,854, Madge, D.J. et al., filed September 8, 2004	

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